

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: VICTOR SAKRAN Examiner #: 61403 Date: 2/20/03
 Art Unit: 3677 Phone Number 308-2224 Serial Number: 08/868,762
 Mail Box and Bldg/Room Location: CPK2-D10 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: HOOK FOR HOOK AND LOOP FASTENERS
 Inventors (please provide full names): GEORGE A. PROVOST

Earliest Priority Filing Date: 09/24/1997

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

U.S. Patent No. 5,315,740

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	Type of Search	Vendors and cost where applicable
Searcher: <u>EP</u>	NA Sequence (#) _____	STN _____
Searcher Phone #: _____	AA Sequence (#) _____	Dialog _____
Searcher Location: _____	Structure (#) _____	Questel/Orbit <input checked="" type="checkbox"/>
Date Searcher Picked Up: _____	Bibliographic _____	Dr.Link _____
Date Completed: <u>2/20/03</u>	Litigation <input checked="" type="checkbox"/>	Lexis/Nexis <input checked="" type="checkbox"/>
Searcher Prep & Review Time: _____	Fulltext _____	Sequence Systems _____
Clerical Prep Time: <u>5</u>	Patent Family _____	WWW/Internet _____
Online Time: <u>15</u>	Other _____	Other (specify) _____

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Terms: **patno=5315470** ([Edit Search](#))

871822 (07) 5315470 May 24, 1994

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT
5315470

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[Link to Claims Section](#)

May 24, 1994

Disk cartridge with centered magnetic plate

EXPIRATION: February 26, 1999 - Feb. 26, 1999 PATENT REINSTATED - Due to acceptance of Delayed Payment of Maintenance Fee.

INVENTOR: Fujino, Toyomi, Kanagawa, JP; Yano, Hajime, Kanagawa, JP

APPL-NO: 871822 (07)

FILED-DATE: April 21, 1992

GRANTED-DATE: May 24, 1994

ASSIGNEE-AT-ISSUE: Sony Corporation, Tokyo, JP

ASSIGNEE-AFTER-ISSUE: June 10, 1992 - ASSIGNMENT OF ASSIGNORS INTEREST., SONY CORPORATION - A CORP. OF JAPAN 7-35 KITASHINAGAWA-6, SHINAGAWA-KU TOKYO JAPAN, Reel and Frame Number: 006151/0625

LEGAL-REP: Shaw, Jr., Philip M.

IPC-MAIN-CL: G 11B023#3

PRIM-EXMR: Heinz, A. J.

CORE TERMS: disk, magnetic, cartridge, ridge, sub, recess, chucking, flange, axial, dimension ...

ENGLISH-ABST:

A disk cartridge includes a plate made of a metallic substance held on a counter chucking side of a flange formed in a center portion of a disk. The magnetic plate is housed inside a disk cartridge and has a height set at a dimension greater than the shortest axial dimension between a portion of the cartridge casing opposite the counter chucking surface of the flange and the facing surface of the disk.

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Terms: **patno=5315470** ([Edit Search](#))

View: **Custom**

Segments: [Appl-no](#), [Assignee](#), [Asst-exmr](#), [Date](#), [Exmr](#), [Int-cl](#), [Inventor](#), [Legal-rep](#), [Patno](#), [Pct-pub-date](#), [Prim-exmr](#),
[Reissue](#), [Title](#)

Date/Time: Thursday, February 20, 2003 - 3:37 PM EST

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Current session 20/02/2003 QWEB Questel-Orbit

Query/Command : us5315740/pn

**** SS 1: Results 1**

Search statement 2

Query/Command : PRT SS 1 MAX 1 LEGALALL

1 / 1 PLUSPAT - ©QUESTEL-ORBIT - image

Patent Number :

US5315740 A 19940531 [US5315740]

Title :

(A) Hook for hook and loop fasteners

Patent Assignee :

(A) VELCRO IND (NL)

Patent Assignee :

Velcro Industries, B.V., Amsterdam [NL]

Inventor(s) :

(A) PROVOST GEORGE A (US)

Application Nbr :

US93263392 19920820 [1992US-0932633]

Priority Details :

US93263392 19920820 [1992US-0932633]

Intl Patent Class :

(A) A44B-018/00

EPO ECLA Class :

A44B-018/00F8

US Patent Class :

ORIGINAL (O) : 024452000; CROSS-REFERENCE (X) : 024442000 024449000

Document Type :

Corresponding document

Citations :

US3009235; US3031730; US3083737; US3138841; US3147528; US3154837; US3312583; US370883
US3770359; US3913183; US4024003; US4290832; US4794028; US4894060; US4984339; US505824

Publication Stage :

(A) United States patent

Abstract :

A plastic molded hook for use with a hook and loop fastening system especially adapted for use with lo
The hook design includes a base, a stem and a crook whereby the volume of the portion of the hook pen
pile of loops is defined as the displacement volume. Hooks especially adapted for use with low profile
displacement volume of less than 6×10^{-6} cubic inches.

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Patent Number :

US 5315740 [US5315740]

Application Details :

US 932633/92 19920820 [1992US-0932633]

Document Type :

US-P

Action Taken :

19920820 US/AE-A
APPLICATION DATA (PATENT)
US 932633/92 19920820 [1992US-0932633]

19920820 US/AS02
ASSIGNMENT OF ASSIGNOR'S INTEREST
VELCRO INDUSTRIES, B.V., A NETHERLANDS CORP. AMSTERDAM NETHERLANDS * PRO
GEORGE A. : 19920820

19940531 US/A
PATENT

19971028 US/RF
REISSUE APPLICATION FILED
970604

Update Code :

1999-15

1 / 1 CRXX - ©CLAIMS/RRX

Patent Number :

5,315,740 A 19940531 [US5315740]

Patent Assignee :

Velcro Industries B V NL

Actions :

19970604 REISSUE REQUESTED

Issue Date of O.G.: 19971028
Reissue Request Number: 08/868762
Examination Group responsible for Reissue process: 3507

1 / 2 PAST - ©Thomson Derwent

Accession Number :

199743-001417

Patent Number :

5315740 A [US5315740]

Official Gazette Date :

1997-10-28

Actions :

REISSUE APPLICATION FILED

2 / 2 PAST - ©Thomson Derwent

Accession Number :

199742-001417

Patent Number :

5315740 A [US5315740]

Official Gazette Date :

1997-10-21

Actions :

REISSUE APPLICATION FILED

Query/Command : file inpadoc

Search statement 1

Query/Command : us5315740/pn

**** SS 1: Results 1**

Search statement 2

Query/Command : PRT SS 1 MAX 1 LEGAL

1 / 1 INPADOC - ©INPADOC

Patent Number :

US 5315740 A 19940531 [US5315740]

Title :

HOOK FOR HOOK AND LOOP FASTENERS

Inventor(s) :

PROVOST GEORGE A [US]

Patent Assignee (Words) :

VELCRO IND [NL]

Application Details :

US 932633/92-A 19920820 [1992US-0932633]

Priority Details :

US 932633/92-A 19920820 [1992US-0932633]

Intl. Patent Class. :

A44B-018/00

1 / 1 LGST - ©LEGSTAT

Patent Number :

US 5315740 [US5315740]

Application Details :

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Document Type :

US-P

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19920820 US/AE-A
APPLICATION DATA (PATENT)
US 932633/92 19920820 [1992US-0932633]

19920820 US/AS02
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GEORGE A. : 19920820

19940531 US/A
PATENT

19971028 US/RF
REISSUE APPLICATION FILED
970604

Update Code :

1999-15

Query/Command : ..st